

**WHAT IS CLAIMED IS:**

1. A built-in refrigerator comprising:

a cabinet provided in a sink and having a component chamber at a rear bottom thereof;

a dust guard provided between a front bottom of the cabinet and a floor;

a compressor provided in the component chamber;

a condenser provided under a bottom surface of the cabinet;

a ventilation passage communicating the component chamber with a bottom of the cabinet and outside of the dust guard for discharging heat generated from the condenser and the compressor to outside; and

a cooling fan provided in the component chamber for cooling the condenser and the compressor.

2. The built-in refrigerator as claimed in claim 1, wherein the condenser comprises:

a refrigerant tube received into a receiving portion under the bottom surface of the cabinet; and

a cooling fin having a first end being connected to the refrigerant tube and a second end being exposed to the ventilation passage.

3. The built-in refrigerator as claimed in claim 2, wherein the cooling fin and the refrigerant tube are formed as a single body.

4. The built-in refrigerator as claimed in claim 2, wherein the cooling fin comprises a long and thin plate parallel to an airflow direction in the ventilation passage.

5. The built-in refrigerator as claimed in 2, wherein the cooling fin is vertically extended downward from the refrigerant tube.

6. The built-in refrigerator as claimed in claim 1, wherein the condenser comprises:  
a refrigerant tube exposed on a bottom surface of the cabinet; and  
a cooling fin having a first end being connected with the refrigerant tube and a second end being exposed to the ventilation passage.

7. The built-in refrigerator as claimed in claim 6, wherein the cooling fin and the refrigerant tube are formed as a single body.

8. The built-in refrigerator as claimed in claim 6, wherein the cooling fin comprises a long and thin plate parallel to an airflow direction.

9. The built-in refrigerator as claimed in 6, wherein the cooling fin is vertically extended downward from the refrigerant tube.

10. The built-in refrigerator as claimed in claim 1, wherein the condenser comprises:  
a refrigerant tube having a first end being received into the receiving portion under the bottom surface of the cabinet and a second end being exposed; and  
a cooling fin having a first end being connected with the refrigerant tube and a second end being exposed to the ventilation passage.

11. The built-in refrigerator as claimed in claim 10, wherein the cooling fin and the refrigerant tube are formed as a single body.

12. The built-in refrigerator as claimed in claim 10, wherein the cooling fin comprises a long and thin plate parallel to an airflow direction in the ventilation passage.

13. The built-in refrigerator as claimed in 10, wherein the cooling fin is vertically extended downward from the refrigerant tube.

14. The built-in refrigerator as claimed in claim 1, further comprising a bottom plate forming a bottom surface of the condenser.

15. The built-in refrigerator as claimed in claim 14, wherein the condenser comprises:  
a refrigerant tube having a bottom surface being in contact with an upper surface of a bottom plate under a bottom surface of the cabinet; and  
a cooling fin provided for each of the corresponding refrigerant tube on the bottom surface of the bottom plate.

16. The built-in refrigerator as claimed in claim 15, wherein the cooling fin has a cross section in a “T” form.

17. The built-in refrigerator as claimed in claim 15, wherein the cooling fin is welded to the bottom plate.

18. The built-in refrigerator as claimed in claim 15, wherein the cooling fin is vertically extended downward from the refrigerant tube and comprises a long and thin plate parallel to an airflow direction in the ventilation passage.

19. The built-in refrigerator as claimed in claim 1, further comprising a divider for dividing the ventilation passage into an air inlet passage and an air outlet passage.

20. The built-in refrigerator as claimed in claim 19, wherein the divider is vertically extended to a surface of the condenser and is formed of a diaphragm blocking airflow.